

Title (en)
PLATED POLYMER NOSECONE

Title (de)
RAKETENSPITZE AUS EINEM GALVANISIERTEN POLYMER

Title (fr)
COIFFE POLYMÈRE PLAQUÉE

Publication
EP 3019711 A4 20170510 (EN)

Application
EP 14832491 A 20140709

Priority
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• US 201361844048 P 20130709
• US 2014045985 W 20140709

Abstract (en)
[origin: WO2015017095A2] Plated polymeric gas turbine engine parts and methods for fabricating lightweight plated polymeric gas turbine engine parts are disclosed. The parts include a polymeric substrate plated with one or more metal layers. The polymeric material of the polymeric substrate may be structurally reinforced with materials that may include carbon, metal, or glass. The polymeric substrate may also include a plurality of layers to form a composite layup structure.

IPC 8 full level
F01D 25/00 (2006.01); **B29D 22/00** (2006.01); **F01D 25/24** (2006.01); **F02C 7/20** (2006.01)

CPC (source: EP US)
B29D 22/00 (2013.01 - EP US); **B64D 29/00** (2013.01 - US); **F01D 5/02** (2013.01 - US); **F01D 25/28** (2013.01 - US); **F02K 3/04** (2013.01 - EP US); **F05D 2220/32** (2013.01 - US); **F05D 2230/30** (2013.01 - EP US); **F05D 2230/90** (2013.01 - US); **F05D 2300/10** (2013.01 - US); **F05D 2300/43** (2013.01 - US); **F05D 2300/603** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)
• [X] WO 2012110383 A2 20120823 - INTEGRAN TECHNOLOGIES [CA], et al
• [X] US 4403075 A 19830906 - BYRD NORMAN R [US], et al
• [X] US 4739115 A 19880419 - BYRD NORMAN R [US], et al
• See references of WO 2015017095A2

Cited by
US10472048B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015017095 A2 20150205; **WO 2015017095 A3 20150409**; CA 2917916 A1 20150205; EP 3019711 A2 20160518; EP 3019711 A4 20170510; EP 3019711 B1 20231101; US 11267576 B2 20220308; US 2016159488 A1 20160609

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US 2014045985 W 20140709; CA 2917916 A 20140709; EP 14832491 A 20140709; US 201414903987 A 20140709